Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1	1.	(original) A method of accessing a first file on a disk system on one of a
2		plurality of computer systems from a program executing on another of the
3		plurality of computer systems, wherein:
4		the plurality of computer systems comprises:
5		a first computer system containing the program communicating through an
6		API with a first interface system, and
7		a second computer system containing the disk system and a second
8		interface system for communicating with the first interface system
9		and for reading from and writing to the disk system;
10		the first computer system and the second computer system are heterogeneous
11		computer systems;
12		said method comprising:
13		A) opening a first session from the program via the API through the first interface
14		system to the second interface system in order to access the first file on the
15		disk system;
16		B) blocking the first plurality of records into a first plurality of blocks;
17		C) transmitting the first plurality of blocks over the first session from a first one
18		of the plurality of computer systems to a second one of the plurality of
19		computer systems;
20		D) unblocking the first plurality of blocks into a second plurality of records on
21		the second one of the plurality of computer systems; and
22		E) closing the first session after completing the transmitting in step (C).

1	2.	(original)	The method in claim 1 wherein:		
2		the first computer system is the first of the plurality of computer systems;			
3		the second c	omputer system is the second of the plurality of computer systems;		
4		and			
5		the method f	further comprises:		
6		F)	receiving the first plurality of records via the API from the		
7			program; and		
8		G)	writing the second plurality of records to the first file.		
1	3.	(original)	The method in claim 1 wherein:		
2		the first com	puter system is the second of the plurality of computer systems; and		
3		the second computer system is the first of the plurality of computer systems;			
4		the method:	further comprises:		
5		F)	reading the first plurality of records from the first file; and		
6		G)	receiving the second plurality of records in the program via the		
7			API.		
1	4.	(currently a	mended) The method in claim 1 wherein:		
2		the transmit	ting in step (C) utilizes a credit based flow control mechanism to flow		
3			rol the first plurality of blocks; and		
4		the credit ba	ased flow control mechanism utilizes a block based credit counting		
5		each	of the first plurality of blocks a as one credit.		

1	5.	(original)	The method in claim 1 which further comprises:
2		F) opening a	second session from the program via the API through the first
3		interfa	ce system to the second interface system in order to access a second
4			the disk system while the first session is still open;
5			a third plurality of records into a second plurality of blocks;
6		, -	ng the second plurality of blocks over the second session from a
7			one of the plurality of computer systems to a fourth one of the
8		plural	ity of computer systems;
9		I) unblockin	g the second plurality of blocks into a fourth plurality of records on
10		the fo	urth one of the plurality of computer systems; and
11		J) closing th	e second session after completing the transmitting closing the
12			d session after completing the transmitting over the second session in
13		step (H).
1	6.	(original)	The method in claim 5 wherein:
2		the first comp	outer system is the first one of the plurality of computer systems and
3		the th	ird one of the plurality of computer systems;
4		the second co	omputer system is the second one of the plurality of computer
5			ns and the fourth one of the plurality of computer systems; and
6			urther comprises:
7		K)	receiving the first plurality of records via the API from the
8			program for transmission over the first session;
9		L)	receiving the third plurality of records via the API from the
10			program for transmission over the second session;
11		M)	writing the second plurality of records to the first file; and
12		N)	writing the fourth plurality of records to the second file.

1	7.	(original)	The method in claim 5 wherein:
2		the first com	puter system is the first one of the plurality of computer systems and
3		the fo	ourth one of the plurality of computer systems;
4		the second co	omputer system is the second one of the plurality of computer
5		syste	ms and the third one of the plurality of computer systems; and
6		the method f	urther comprises:
7		K)	receiving the first plurality of records via the API from the
8			program for transmission over the first session;
9		L)	writing the second plurality of records to the first file;
10		M)	reading the third plurality of records from the second file; and
11		N)	receiving the fourth plurality of records in the program via the API
1	8.	(original)	The method in claim 1 wherein:
2			puter system is a mainframe computer system; and
3		the second c	omputer system is a UNIX based computer system.
1	9.	(original)	The method in claim 1 wherein:
2		character da	ta is stored in the first computer system in a first one of a plurality of
3			acter formats;
4		character da	ta is stored in the second computer system in a second one of a
5		plura	ality of character formats; and
6			further comprises:
7			ng at least a portion of each of the records in the first plurality of
8		bloc	ks from one of the plurality of character formats to another one of the
9		plura	ality of character formats.
1	10.	(original)	The method in claim 1 wherein:
2		integer data	is stored in the first computer system in a first one of a plurality of
3			ger formats;
4		integer data	is stored in the second computer system in a second one of a plurality
5		of ir	nteger formats; and
6			further comprises:
7			ng at least a portion of each of the records in the first plurality of
8		bloc	ks from one of the plurality of integer formats to another one of the
9		กในเ	ality of integer formats.

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1	11.	(original)	A data processing system having software stored in a set of
2		Computer S	oftware Storage Media for accessing a first file on a disk system on
3		one of a plu	rality of computer systems from a program executing on another of
4		the plurality	of computer systems, wherein:
5		the plurality	of computer systems comprises:
6		a fir	st computer system containing the program communicating through an
7			API with a first interface system, and
8		a sec	cond computer system containing the disk system and a second
9			interface system for communicating with the first interface system
10			and for reading from and writing to the disk system;
11		the first con	nputer system and the second computer system are heterogeneous
12		com	puter systems;
13			re comprising:
14			computer instructions for opening a first session from the program
15		thro	ugh the first interface system to the second interface system in order to
16			ess the first file on the disk system;
17		B) a set of	computer instructions for blocking the first plurality of records into a
18			plurality of blocks;
19			computer instructions for transmitting the first plurality of blocks over
20			first session from a first one of the plurality of computer systems to a
21			ond one of the plurality of computer systems;
22			computer instructions for unblocking the first plurality of blocks into a
23		seco	ond plurality of records on the second one of the plurality of computer
24		-	tems; and
25		E) a set of	computer instructions for closing the first session after completing the
26		tran	smitting in set (C).

1	12 .	(original)	The software in claim 11 wherein:			
2			the first computer system is the first of the plurality of computer systems;			
3		the second computer system is the second of the plurality of computer systems;				
4		and				
5		the software	further comprises:			
6		F)	a set of computer instructions for receiving the first plurality of			
7			records via the API from the program; and			
8		G)	a set of computer instructions for writing the second plurality of			
9			records to the first file.			
1	13.	(original)	The software in claim 11 wherein:			
2		the first com	puter system is the second of the plurality of computer systems; and			
3		the second c	the second computer system is the first of the plurality of computer systems;			
4		the software further comprises:				
5		F)	a set of computer instructions for reading the first plurality of			
6			records from the first file; and			
7		G)	a set of computer instructions for receiving the second plurality of			
8			records in the program via the API.			
1	14.	(currently as	mended) The software in claim 11 wherein:			
2		the transmit	ting in set (C) utilizes a credit based flow control mechanism to flow			
3		cont	rol the first plurality of blocks; and			
4		the credit ba	sed flow control mechanism utilizes a block based credit counting			
5		each	of the first plurality of blocks a as one credit.			

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1	15.	(original)	The software in claim 11 which further comprises:
2		F) a set of co	omputer instructions for opening a second session from the program
3		via th	e API through the first interface system to the second interface
4		syster	m in order to access a second file on the disk system while the first
5			on is still open;
6		G) a set of c	omputer instructions for blocking a third plurality of records into a
7		secon	d plurality of blocks;
8		H) a set of c	omputer instructions for transmitting the second plurality of blocks
9		over	the second session from a third one of the plurality of computer
10		syste	ms to a fourth one of the plurality of computer systems;
11			omputer instructions for unblocking the second plurality of blocks
12			fourth plurality of records on the fourth one of the plurality of
13		comp	outer systems; and
14		J) a set of c	omputer instructions for closing the second session after completing
15			ansmitting closing the second session after completing the
16		trans	mitting over the second session in set (H).
1	16.	(original)	The software in claim 15 wherein:
2		the first com	puter system is the first one of the plurality of computer systems and
3		the th	nird one of the plurality of computer systems;
4		the second c	omputer system is the second one of the plurality of computer
5			ems and the fourth one of the plurality of computer systems; and
6		the software	further comprises:
7		K)	a set of computer instructions for receiving the first plurality of
8			records via the API from the program for transmission over the
9			first session;
10		L)	a set of computer instructions for receiving the third plurality of
11			records via the API from the program for transmission over the
12			second session;
13		M)	a set of computer instructions for writing the second plurality of
14			records to the first file; and
15		N)	a set of computer instructions for writing the fourth plurality of
16			records to the second file.

1	17 .	(original)	The software in claim 15 wherein:				
2		the first com	puter system is the first one of the plurality of computer systems and				
3		the fo	ourth one of the plurality of computer systems;				
4		the second c	the second computer system is the second one of the plurality of computer				
5		syste	systems and the third one of the plurality of computer systems; and				
6		the software	further comprises:				
7		K)	a set of computer instructions for receiving the first plurality of				
8			records via the API from the program for transmission over the				
9			first session;				
10		L)	a set of computer instructions for writing the second plurality of				
l 1			records to the first file;				
12		M)	a set of computer instructions for reading the third plurality of				
13			records from the second file; and				
14		N)	a set of computer instructions for receiving the fourth plurality of				
15			records in the program via the API.				
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1	18.	(original)	The software in claim 11 wherein:				
2			nputer system is a mainframe computer system; and				
3		the second of	computer system is a UNIX based computer system.				
1	19.	(currently a	mended) The software in claim 1 11 wherein:				
2			ita is stored in the first computer system in a first one of a plurality of				
3			acter formats;				
4			ata is stored in the second computer system in a second one of a				
5			ality of character formats; and				
6		•	e further comprises:				
7			computer instructions for translating at least a portion of each of the				
8			ords in the first plurality of blocks from one of the plurality of character				
9			nats to another one of the plurality of character formats.				

1	20.	(currently amended) The software in claim 1 11 wherein:
2		integer data is stored in the first computer system in a first one of a plurality of
3		integer formats;
4		integer data is stored in the second computer system in a second one of a plurality
5		of integer formats; and
6		the software further comprises:
7		F) a set of computer instructions for translating at least a portion of each of the
8		records in the first plurality of blocks from one of the plurality of integer
9		formats to another one of the plurality of integer formats.

1	21.	(original) A computer readable Non-Volatile Storage Medium encoded with
2		software for accessing a first file on a disk system on one of a plurality of
3		computer systems from a program executing on another of the plurality of
4		computer systems, wherein:
5		the plurality of computer systems comprises:
6		a first computer system containing the program communicating through an
7		API with a first interface system, and
8		a second computer system containing the disk system and a second
9		interface system for communicating with the first interface system
10		and for reading from and writing to the disk system;
11		the first computer system and the second computer system are heterogeneous
12		computer systems;
13		said software comprising:
14		A) a set of computer instructions for opening a first session from the program
15		through the first interface system to the second interface system in order to
16		access the first file on the disk system;
17		B) a set of computer instructions blocking the first plurality of records into a first
18		plurality of blocks;
19		C) a set of computer instructions for transmitting the first plurality of blocks over
20		the first session from a first one of the plurality of computer systems to a
21		second one of the plurality of computer systems;
22		D) a set of computer instructions for unblocking the first plurality of blocks into a
23		second plurality of records on the second one of the plurality of computer
24		systems; and
25		E) a set of computer instructions for closing the first session after completing the
26		transmitting in set (C).

1	22.	(original) A data processing system having software stored in a set of
2		Computer Software Storage Media for accessing a first file on a disk system on
3		one of a plurality of computer systems from a program executing on another of
4		the plurality of computer systems, wherein:
5		the plurality of computer systems comprises:
6		a first computer system containing the program communicating through an
7		API with a first interface system, and
8		a second computer system containing the disk system and a second
9		interface system for communicating with the first interface system
10		and for reading from and writing to the disk system;
11		the first computer system and the second computer system are heterogeneous
12		computer systems;
13		said software comprising:
14		A) means for opening a first session from the program through the first interface
15		system to the second interface system in order to access the first file on the
16		disk system;
17		B) means for blocking the first plurality of records into a first plurality of blocks;
18		C) means for transmitting the first plurality of blocks over the first session from a
19		first one of the plurality of computer systems to a second one of the
20		plurality of computer systems;
21		D) means for unblocking the first plurality of blocks into a second plurality of
22		records on the second one of the plurality of computer systems; and
23		E) means for closing the first session after completing the transmitting in means
24		(D).